

## ABSTRACT

A method for providing efficient bi-directional communications between a client computer and at least one server computer where the server computer hosts at least one message queuing middleware system. The method comprises the steps of providing a client computer code module resident on a client computer. The step of providing the client computer code further comprises the steps of providing at least one adapter code module resident on the client computer. The adapter code module receives a message from the client computer and associates the data message with the least one message queuing middleware system. The adapter code module transmits the associated data message to the at least one server computer. The server computer, holding in a quiescent state until a message is inbound, receives the associated data message. The next step provides a server computer code module resident on the at least one server computer which configures to select at least one messaging middleware protocol set based upon information contained within the received associated data message. The associated data message is translated to conform to the selected messaging middleware protocol set. The translated message is then sent to a messaging middleware system corresponding to the messaging middleware protocol and a status message is returned to the client computer.